ABSTRACT OF THE DISCLOSURE

An axial tube assembly for a motor includes an axial tube and a sleeve mounted in the axial tube. The axial tube is securely mounted to a casing, and a stator is mounted to the axial tube. When a bearing is mounted in the sleeve, the sleeve is tightly engaged with the axial tube such that the axial tube and the bearing exert forces to each other to thereby retain the axial tube and the bearing in place.